CEM-IC20 (03/30/2016) PROJECT INFORMATION/NAME			CONTRACT NUMBER		CO/RTE/PM	
			PROJECT	IDENTIFIEI	R NUMBER	
			CONTRACTOR NAME			
Instruction: This form to be used by the contractor to summarize a information. For questions about this form send an email to: IC@						
Mapping report summary for cold-in-place recycling perfo			Manning Date			
COLD IN DI	ACE DECV	CLING (CIR) M	IA DDING	INFOR	MATIC	)N
Apping Location	ACE RECT	CLING (CIR) IV	ATTING	INFOR		
Beginning Station/Post Mile	Ending Stat	ion/Post Mile				
In	telligent Com	paction Data Ana	lysis Techi	nician		
Data Analysis Technician (print name)		Data Analysis Training	•		Training requirement effective January 1, 2017.	
mail address		Phone Number			011001110	, canaary 1, 2011
	Мај	oping Report Prep	arer			
Mapping Report Completed by (print name)		Signature			Date	
	Email Address		Phone Number			
mail Address		Phone Number				
mail Address  Mapping Report Su	ubmittals fo		n Intellige	ent Cor	mpactio	n Roller
		r Mapping Witl			npactio	n Roller
Mapping Report Su	Data and			s	•	
	Data and Submittal	r Mapping Witl	sis Result	S Sub This Colur	mittal Re	view
Mapping Report Su	Data and Submittal vere submitted	r Mapping Witl Software Analys		Sub This Colui	mittal Re	view ineer's Use
Mapping Report Su  Contractor Check all that w  Final coverage histogram of intelli	Data and Submittal vere submitted igent compaction	r Mapping With	sis Result	S Sub This Colum s adequate No	mittal Re mn For Engl e? ] See Com	view ineer's Use nment
Mapping Report Su  Contractor Check all that w  Final coverage histogram of intellivalue  Final coverage histogram of intellivalue	Data and Submittal vere submitted igent compaction igent compaction	r Mapping With	Submittal is  Submittal is  Submittal is	S Sub This Colum s adequate No	mittal Re mn For Engl e? ] See Com	view ineer's Use nment
Mapping Report Su  Contractor Check all that w  Final coverage histogram of intellivalue  Final coverage histogram of intellivalue	Data and Submittal vere submitted igent compaction igent compaction	r Mapping With Software Analys In measurement In measurement	Submittal is  Submittal is  Submittal is	S Sub This Colum s adequate No  s adequate No  Sub	mittal Re mn For Engl e? ] See Com	view ineer's Use nment nment
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Contractor Check all that w  Final coverage histogram of intellivalue  Final coverage histogram of intellivalue  Contractor Check all that w  Plot of intelligent compaction mea	Data and Submittal vere submitted igent compaction igent compaction Gubmittal vere submitted asurement value asurement value nent values equa	Software Analys n measurement n measurement Color Layout Plo over existing for soft areas with all or less than to 10	Submittal is  Yes  Submittal is  Yes  Submittal is	S Sub This Colum s adequate No Sadequate No Sub This Colum s adequate No Sub Sadequate Sadequate Sadequate	mittal Re mn For Engle e? ] See Com e? ] See Com mittal Re mn For Engle e? ] See Com	view ineer's Use  ment  wiew ineer's Use

#### **Mapping Report Submittals for Mapping With Intelligent Compaction Roller**

### **Locations with Low Intelligent Compaction Measurement Value**

Note: To determine soft spots in the under laying material a filtered Veta analysis is required based on the average of the range of intelligent compaction measurement values.

Minimum ICMV	Maximum ICMV	Average ICMV	Filter Target ICMV

Location No.	ICMV	X Coordinate	Y Coordinate	
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

COMMENTS:

Mapping Report Submittals for Mapping With Coring and Dynamic Cone Penetration					
Plots					
Contractor Submittal Check all that were submitted	Submittal Review This Column For Engineer's Use				
☐ Plot of pavement structural section profile based on cores	Submittal is adequate?  Yes No See Comment				
☐ Plot of transverse pavement thickness and lift thickness cross sections based on cores	Submittal is adequate?  Yes No See Comment				
Plot of pavement unbonded layer dynamic cone penetration index profile	Submittal is adequate?  ☐ Yes ☐ No ☐ See Comment				
☐ Plot of core location coordinates and unbonded layer stiffness description category for each core taken along the roadway transverse axis	Submittal is adequate?  Yes No See Comment				
COMMENTS:					

#### Mapping Report Submittals for Mapping With Coring and Dynamic Cone Penetration

#### **Locations of Soft Spots in Under Laying Material**

Note: Determine soft spots in the under laying material based on Dynamic Cone Penetration Index (DCPI) as shown in following table. Record locations below with either "B" or "C" unbonded layer zone.

Unbonded Layer Stiffness			
Average dynamic cone penetration Index (inch/blow)	Unbonded layer zone	Unbonded layer stiffness description	
<0.7	Α	Relatively strong	
0.7-1.2	В	Marginal strength	
>1.2	С	Weak, potentially wet	

# Locations of Marginal Strength or Weak Unbonded Layer ocation No. DCPI X Coordinate Y Coordina

Location No.	DCPI	X Coordinate	Y Coordinate	
1				
2				
3				
4				
5				
6				
7				
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25				

COMMENTS:

## INTELLIGENT COMPACTION COLD-IN-PLACE RECYCLING MAPPING REPORT SUMMARY CEM-IC20 (03/30/2016)

Mapping Report Review					
COMMENTS:					
I have reviewed the intelligent compaction mapping su	mmary report for compliance with the contract speci	fications requirements.			
Quality Control Manger (print name)	Signature	Date Reviewed			
Contractorio Subr	nittal Decumentation Manning Ba	nov4			
Contractor's Subi	nittal Documentation Mapping Re	port			
Submit Adobe *.pdf file of the mapping report to	Submitted by (print name)	Date			
resident engineer within 1 business day of mappir existing pavement.	9				
Adobe *.pdf file name for quality control report:	Quality control report file name				
Submit Adobe *.pdf file of this form to resident	Submitted by (print name)	Date			
engineer within 1 business day of mapping existin pavement.	g				
pavement.					
Resident Engineers R	eview and Authorization Mapping	Report			
	s Section Is For Engineers Use	,			
Mapping report reviewed by (print name)	Mapping report reviewed by (signature)	Date			
,, , ,	,,				
Mapping report complies with the specification rec	uirements?				
☐ Mapping report is adequate					
☐ Mapping report does not comply with the specification requirements and must be resubmitted after addressing the comments shown above.					
Contractor notified of accepted or rejected quality control report by (print name)  Date					
The intelligent compaction mapping report submitted by the contractor complies with the specification requirements.					
Resident Engineer (print name)	Resident Engineer (signature)	Date			

Updated 2016-03-30